

Date 10/2/57MATERIAL BALANCE ON RADIOACTIVE ISOTOPES OBTAINED BY M. Stern

Shipment No.	Material	Date Received	Quantity Received	Quantity on Hand		Comments (Form of material, storage, disposal, decay, etc.)
				Date	Date	
0	Co ⁶⁰	6/1953	3.85mc.	9/3/57 2.20mc.	10/2/57 2.18mc.	Material present as 5 metallic pellets. Difference in quantity due to decay and preparation of Co ⁶⁰ standard to calibrate radiation analyzer. Stored in lead container in (Dead Storage Bldg.)
1	Ni ⁶³	1/14/55	2mc.	9/3/57 1.957mc.	10/2/57 1.95mc.	Material present as Watt's type plating bath. Difference in quantity due to decay. Stored in lead container R. 204
4	PO ²¹⁰	12/27/55	0.79mc.	9/3/57 2.61 mc. ^{mc.}	10/2/57 2.26 mc. ^{mc.}	Difference in quantity due to decay. Present as 10% HNO ₃ solution. Material stored in hood, Room 202.
5	Ni ⁶³	12/28/55	3mc.	9/3/57 2.943mc.	10/2/57 2.941mc.	Difference in quantity due to decay. Material present in dilute HCl solution. Stored in lead container, Room 204
7	H ³	3/29/56	150mc.	9/3/57 138.4mc.	10/2/57 137.8mc.	Material present as gas in unopened container in hood Room 202. Difference in quantity due to decay.
8	H ³	4/4/56	150mc.	9/3/57 46.8mc.	10/2/57 46.6mc.	Material present as tritiated H ₂ O. Difference in quantity due to decay. Stored in hood, Room 202.
9	C ¹⁴	5/8/56	5mc.	9/3/57 5mc.	10/2/57 5mc.	Material present as BaCO ₃ . Unopened container stored in hood, Room 202.
11	H ³	10/11/56	150mc.	9/3/57 142.7mc.	10/2/57 142.1mc.	Material present as tritiated H ₂ O. Stored in unopened container in Room 202.
12	PO ²¹⁰	4/11/57	2.54mc.	9/3/57 1.14mc.	10/2/57 0.99mc.	Difference in quantity due to decay and zinc activation. Job 4002. Present as 10% HNO ₃ solution stored in hood, Room 202
13	Cr ⁵¹	5/3/57	2mc.	9/3/57 0.095mc.	10/2/57 0.046mc.	Difference in quantity due to decay. Present as 10% HCl solution. Stored in hood, Room 202.
14	Fe ⁵⁹	5/3/57	1 mc.	9/3/57 0.151 mc.	10/2/57 0.097 mc.	Difference in quantity due to decay. Material present as 10% HCl solution. Stored in hood, Room 202.
15	Fe ⁵⁵	7/5/57	1.11 mc.	9/3/57 1.06 mc.	10/2/57 1.04 mc.	Difference in quantity due to decay.
6	C ¹⁴	9/57	1 mc.		10/2/57 1 mc.	Received as Amorphous Carbon Signed: <u>E. Torres</u>

UCCNHT0000392

Date: October 2, 1957

AREA SURVEY FOR RADIOACTIVE CONTAMINATION

Room No. 201 & 202

Instruments Used:

Measurements and Comments:

No survey was made this month as no work involving radio isotopes was conducted in these rooms during the month of September.

Survey by: E. Tomes

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